





### Alternative Contracting Ontario



- Prior to 2010 virtually all projects delivered by Design-Bid-Build (DBB)
- ➤ P3 program for select Major Expansion works. (Windsor Border, Hwy 407 ETR)
- ➤ In 2009 embarked on Design-Build delivery
  - Advertised more than 40 projects since 2010
- ➤ In 2010 embarked on CM/GC delivery



## Embarking on CM/GC Pontario



- > MTO Senior Engineer attended presentation by Jim McMinimee at TRB in 2010
- MTO was in the early stages of design for a bridge replacement involving significant third party risks (Cultural, first nations, environmental)
- > MTO recognized potential advantage of CM/GC model to leverage contracting industry expertise to help mitigate project risks; Foster Collaboration
- MTO consulted with Jim and assembled a CM/GC model development team in the spring of 2010
- First CM/GC contractor RFP (CM Services) advertised in January 2011

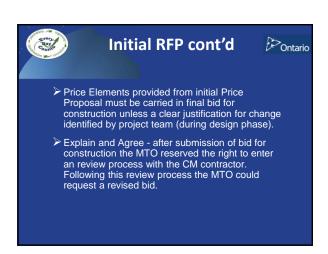


## Why CM/GC?

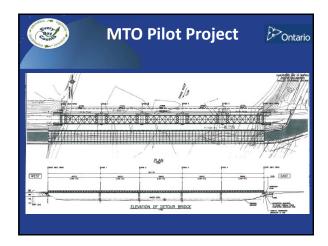


- Constructability review throughout design
- Identify, assign and mitigate risk
- Realize alternate construction methods and innovation
- Give contractors a better understanding of the design process
- Contractor involvement in scoping of the work
- Fostering a collaborative environment
- ➤ Potential for acceleration of project schedule (design & construction) through collaboration and potential for advance works/procurement

Intelligence	tial CM/G			
Similar to Utah with changes to suit Ontario				
Evaluation Criteria	Maximum Score	Required Minimum Score (60%)		
CM Team Capability	10	6		
Project Approach	25			
Innovations/Alternative Construction Approach	10	-		
CMGC Design Process	20			
Approach to Price	25	15		
TECHNICAL PROPOSAL SCORE	90	54		
Price Proposal	10			













## **MTO Pilot Project**

Ontario

### ▶ Project Status

Currently in construction – forming deck, anticipated completion Summer 2015

### ▶ Project Highlights

- Project schedule savings through advance contract to carry out in-water work prior to design completion
- ➤ Jack and Slide approach avoided archeological impacts associated with use of modular bridge. Significant time and cost savings
- Contractor involvement during design has facilitated partnering during construction and avoided costly claims



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- Closest to average scoring of Price Proposal does not reflect the culture of low bid procurement in Ontario
- Price must play a role in MTO procurements, as such a 10% weighting of Price Proposal deemed to be light
- Value of CMGC Design Process responses did not warrant section in RFP
- ➤ Perception that "Explain and Agree" review process after bidding may be considered a price "negotiation". Preference to be consistent with our bidding process for DBB and DB contract models well established bid process integrity

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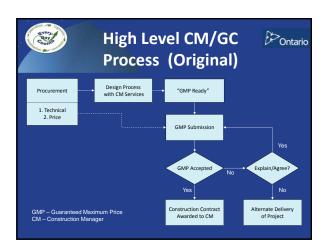
## Current CM/GC RFP

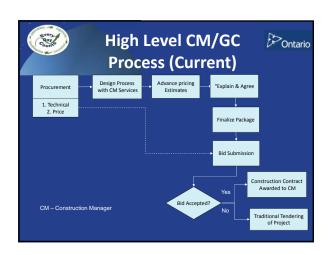
Ontario

Evaluation Criteria	Maximum Score	Required Minimum Score (60%)
CM Team Capability	15	9
Project Approach		18
Innovations/Alternative Construction Approach	15	9
Approach to Price		15
TECHNICAL PROPOSAL SCORE		51
Price Proposal	15	
TOTAL SCORE	100	

Price Proposal – 12% major project elements (low bid); 3% CM Services (closest to average)

# Changes for Current RFP Ontario cont'd Although MTO did see value in the post-bid review process, it was decided to remove the process. Bidding now follows standard MTO bidding process/practice To replace the post-bid review process, the MTO added a pricing review process in advance of the bidding phase (around 90% design). Ensures MTO still receives the value of process, while weakening perception of price negotiation.







# Changes to Consulting Pontario **Engineer's RFP**



- ➤ Description of CMGC model
- Additional meetings (partnering, scoping, support to "explain and agree")
- Requirement for designer to secure professional partnering facilitation services (Partnering Meeting)
- Price breakdown structure for CMGC (partnering, additional item for "late" package submission where anticipated)



## **Selection Panel** and Process

# Ontario

- An MTO management steering committee assigns a Technical Evaluation Team (TET) for each project. Head Office (CIO) staff sit on all teams to promote provincial consistency
- > Head Office (CIO) ensure raters are familiar with evaluation process (guideline established), and confidentiality agreements are signed by each team
- External independent process advisor (consultant) hired by MTO to provide fairness monitoring according to established evaluation process
- Presentations are provided to TET by each CM/GC Proponent (Not scored). Provides opportunity for RFP clarification & understanding for TET.
- Once Technical scores finalized, prices opened and final best value scores calculated.



### **Partnering Meeting**



- Facilitator hired through the Consulting Engineer - Facilitator is required to be an independent party
- One-day partnering workshop held to establish the collaborative working relationship for CM/GC model
- All parties take part in workshop (CM/GC Contractor, Engineer, Owner)
  - Includes executive attendance of all parties
- Facilitator produces a Partnering Agreement which outlines the goals and objectives for the CM/GC project











